

WHAT IS CLAIMED IS:

1 1. A resin composition to be used for electric wire sheaths, wherein a
2 polyolefin resin and an ultrafine nylon fibers-dispersed polyolefin resin
3 composition are mixed.

1 2. The resin composition as set forth in claim 1, wherein a blend ratio of
2 a polyolefin (PO) and ultrafine nylon fibers (Ny) in the ultrafine nylon
3 fibers-dispersed polyolefin resin composition falls within a range from 5:5 to 9:1
4 (PO:Ny).

1 3. The resin composition as set forth in claim 2, wherein the blend ratio
2 is 8:2 (PO:Ny).

1 4. The resin composition as set forth in claim 1, further comprising at
2 least one of silica particles and magnesium hydroxide particles.

1 5. The resin composition as set forth in claim 1, wherein the ultrafine
2 nylon fibers-dispersed polyolefin resin composition is comprised of a polyolefin,
3 polyamide fibers, a silane coupling agent and silica particles.

1 6. The resin composition as set forth in claim 5, wherein the polyamide
2 fibers are comprised of at least one of silica particles and magnesium
3 hydroxide particles.

1 7. The resin composition as set forth in claim 1, wherein a mean fiber
2 diameter of the polyamide fibers is not greater than 5 μm , and an aspect ratio
3 thereof falls within a range from 20 to 1000.

1 8. An electric wire, comprising a sheath comprised of the resin
2 composition as set forth in claim 1.